

Amendments to the Claims

This listing of claims will replace all prior versions, or listings, of claims in this application.

Listing of Claims

Claims 1-3. (canceled).

Claim 4. (previously presented): The method of claim 25, wherein the fluid substance is air.

Claim 5. (previously presented): The method of claim 25, wherein said stream directing step includes imparting to the stream the shape of a hollow cone having an apex in line with the orifice of the nozzle.

Claim 6. (original): The method of claim 5, wherein said flow directing step includes causing the flow to impinge upon the stream at an acute angle.

Claim 7. (original): The method of claim 6, wherein said angle at least approximates 30°.

Claim 8. (original): The method of claim 6, wherein said flow is substantially tangential to said cone.

Claim 9. (canceled).

Claim 10. (previously presented): The method of claim 25, further comprising the steps of pumping the flowable substance from a source to the orifice of the nozzle at a variable pressure and providing an open-and-shut closure for the orifice.

Claim 11. (original): The method of claim 10, wherein said pumping step includes raising the pressure of the flowable substance to a predetermined value prior to opening of the orifice.

Claim 12. (original): The method of claim 11, wherein the opening of the orifice takes place approximately 0.5 second subsequent to raising of the pressure of flowable substance to said predetermined value.

Claim 13. (canceled).

Claim 14. (canceled).

Claim 15. (original): The method of claim 14, wherein said step of discharging the flowable substance includes varying the rate of discharge of flowable substance proportionally with variations of the speed of the web.

Claim 16. (original): The method of claim 14, wherein said step of discharging the flowable substance includes discharging the flowable substance from the orifice at a rate of at least 2 grams per minute.

Claim 17. (previously presented): The method of claim 25, wherein the non-linear layer is a spiral layer.

Claim 18. (previously presented): The method of claim 25, wherein the flowable substance is an adhesive.

Claims 19-23 (canceled).

Claim 24. (previously presented): The method of claim 25, wherein said flow directing step includes causing the fluid substance to flow along a preselected path prior to and during issuance of the stream from the orifice of the nozzle.

Claim 25. (currently amended) A method of applying a flowable substance to a web of wrapping material for rod-shaped products of the tobacco industry, the method comprising the steps of:

confining the web to movement along a predetermined path;

directing at least one stream of flowable substance along the predetermined path in an at least partially non-linear manner toward one side of the web, wherein said directing step includes the utilization of a nozzle having an orifice which discharges the at least one stream of flowable substance, and includes rotating the stream, wherein said rotating step includes directing against the stream at least one flow of a fluid substance; ~~and~~

advancing the web lengthwise along said path at a variable speed; and

discharging the flowable substance from the orifice at a rate which is a function of the speed of advancement of the web along said predetermined path.

Claim 26 (new): The method of claim 25 wherein the rate of discharge of the flowable substance is directly proportional to the speed of the web.